

Abstract:

With a method for operating an internal combustion engine with a fuel injector (18) that is opened and closed electrically, a booster capacitor (BK) serving to increase the current intensity when the fuel injector (18) is opened, reliable fuel injection is ensured, even in extreme cases, such as resumption of fuel injection after an overrun condition, and in a starting procedure after a shutoff phase that is accompanied by an increase in pressure in the high pressure fuel system due to the fuel heating up, when booster capacitors are used that were designed for normal operation, by switching the current profile in certain operating states of the internal combustion engine from a standard value to an increased value and/or to a longer duration and, when the certain operating state ends, by resetting it to the standard value and the standard duration.

(Figure 2)